AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method of configuring nodes for service requests in an Open Grid Services Architecture (OGSA), the method comprising:

transmitting an OGSA operational rule from a first OGSA service node ~~that receives a request for service~~ to a second OGSA service node that is configured to apply the OGSA operational rule to [[the]] a request for service ~~in response to the request~~ from the first OGSA service node ~~for service~~, wherein the OGSA operational rule ~~comprises a rule that~~ specifies ~~that the same request made by two different OGSA service nodes is to have different operations provided in response thereto based on which service node made~~ how the request for service is handled.

2. (Previously presented) The method according to Claim 1 further comprising:

propagating the OGSA operational rule from the second OGSA service node to a third OGSA service node that is registered with the second OGSA service node as capable of providing service thereto.

3. (Currently amended) The method according to Claim 1 wherein transmitting an OGSA operational rule is preceded by:

registering the second OSGA service node with the first OGSA service node to define the second OGSA service node as available to the first OGSA service node to receive requests for service.

4. (Previously presented) The method according to Claim 1 wherein the OGSA operational rule comprises a first OGSA operational rule, the method further comprising:

modifying the first OGSA operational rule to provide a second OGSA operational rule; and

transmitting the second OGSA operational rule to the second OGSA service node responsive to modifying the first OGSA operational rule.

5. (Previously presented) The method according to Claim 1 further comprising:

receiving a first request for service at the first OGSA service node;

determining that the first request is associated with the OGSA operational rule;

applying the OGSA operational rule to the first request to provide a propagated first request; and

transmitting the propagated first request to the second OGSA service node.

6. (Previously presented) The method according to Claim 1 further comprising:

receiving a first request for service at the first OGSA service node;

determining that the first request is associated with the OGSA operational rule;

applying the OGSA operational rule to the first request to provide a propagated first request; and

transmitting the propagated first request to a third OGSA service node rather than the second OGSA service node responsive to a parameter associated with the third OGSA service node.

7. (Previously presented) The method according to Claim 1 further comprising:

receiving a first request for service at the first OGSA service node, the first request for service including a token associated with the first request that further defines how the first request is to be serviced;

determining that the first request is associated with the OGSA operational rule;

applying the OGSA operational rule to the first request to provide a propagated first request; and

transmitting the propagated first request and the token to the second OGSA service node.

8. (Previously presented) The method according to Claim 7 wherein the token comprises at least one of a price, geographic location, and quality of service.

9. (Previously presented) The method according to Claim 1 wherein the OGSA operational rule comprises a rule associated with at least one of security, error recovery, and business transaction terms/conditions associated with the request for service.

10. (Currently amended) The method according to Claim 1 wherein the OGSA operational rule comprises a[[n]] requestor identifier that identifies [[a]] the first OGSA service node as transmitting the request for service to the second OGSA service node.

11. (Currently amended) A method of configuring secondary Open Grid Services Architecture (OGSA) service nodes to handle service requests from a primary OGSA service node in a OGSA service node network, the method comprising:

receiving a request for registration at a primary OGSA service node from a secondary OGSA service node including that the secondary OGSA service node is capable of providing a service to the primary OGSA service node;

registering that the secondary OGSA service node is capable of providing the service [[with]] to the primary OGSA service node;

transmitting a response from the primary OGSA service node to the secondary OGSA service node including an OGSA operational rule that defines how the service is to be provided to the primary OGSA service node, wherein the OGSA operational rule comprises a rule that specifies that the same request made by two different OGSA service nodes is to have different operations provided in response thereto based on which service node made the request;

maintaining the OGSA operational rule accessible to the secondary OGSA service node and associated with the primary OGSA service node;

receiving a request for service from the primary OGSA service node at the secondary OGSA service node; and

providing service to the primary OGSA service node in accordance with the OGSA operational rule responsive to determining that the request for service is associated with the primary OGSA service node.

12. (Currently amended) The method according to Claim 11 wherein the primary <u>OGSA service</u> node comprises a first primary <u>OGSA service</u> node and the OGSA operational rule comprises a first OGSA operational rule, the method further comprising:

receiving a request for registration at a second primary OGSA service node from the secondary OGSA service node including that the secondary OGSA service node is capable of providing service to the second primary OGSA service node;

registering that the secondary OGSA service node is capable of providing the service [[with]] <u>to the</u> second primary OGSA service node;

transmitting a response from the second primary OGSA service node to the secondary OGSA service node including a second OGSA operational rule that defines how the service is to be provided to the second primary OGSA service node;

maintaining the second OGSA operational rule accessible to the secondary OGSA service node and associated with the second primary OGSA service node;

receiving a request for service from the second primary OGSA service node at the secondary OGSA service node; and

providing service to the second primary OGSA service node using the second OGSA operational rule responsive to determining that the request for service is associated with the second primary OGSA service node.

13. (Currently amended) A system for configuring Open Grid Services Architecture (OGSA) nodes for service requests, comprising:

means for transmitting an OGSA operational rule from a first OGSA service node that receives a request for service to a second OGSA service node that is configured to apply the OGSA operational rule to the request for service in response to the request from the first OGSA service node for service; and

means for propagating the OGSA operational rule from the second OGSA service node to a third OGSA service node that is registered with the second OGSA service node as capable of providing service thereto, wherein the OGSA operational rule ~~comprises a rule that~~ specifies ~~that the same request made by two different OGSA service nodes is to have different operations provided in response thereto based on which service node made~~ <u>how</u> the request <u>for service is handled.</u>

14. (Canceled).

15. (Currently amended) The system according to Claim 13 further comprising:

means for registering the second <u>OGSA service</u> node with the first OGSA service node to define the second OGSA service node as available to the first OGSA service node to receive requests for service.

16. (Currently amended) The system according to Claim 13 wherein the OGSA operational rule comprises a first OGSA operational rule, the system further comprising:

means for modifying the first [[the]] OGSA operational rule to provide a second [[the]] OGSA operational rule; and

means for transmitting the second OGSA operational rule to the second OGSA service node responsive to modifying the first OGSA operational rule.

17. (Previously presented) The system according to Claim 13 further comprising:

means for receiving a first request for service at the first OGSA service node;

means for determining that the first request is associated with the OGSA operational rule;

means for applying the OGSA operational rule to the first request to provide a propagated first request; and

means for transmitting the propagated first request to the second OGSA service node.

18. (Previously presented) The system according to Claim 13 further comprising:

means for receiving a first request for service at the first OGSA service node;

means for determining that the first request is associated with the OGSA operational rule;

means for applying the OGSA operational rule to the first request to provide a propagated first request; and

means for transmitting the propagated first request to a third OGSA service node rather than the second OGSA service node responsive to a parameter associated with the third OGSA service node.

19. (Previously presented) The system according to Claim 13 further comprising:

means for receiving a first request for service at the first OGSA service node, the first request for service including a token associated with the first request that further defines how the first request is to be serviced;

means for determining that the first request is associated with the OGSA operational rule;

means for applying the OGSA operational rule to the first request to provide a propagated first request; and

means for transmitting the propagated first request and the token to the second OGSA service node.

20. (Previously presented) The system according to Claim 19 wherein the token comprises at least one of a price, geographic location, and quality of service.

21. (Previously presented) The system according to Claim 13 wherein the OGSA operational rule comprises a rule associated with at least one of security, error recovery, and business transaction terms/conditions associated with the request for service.

22. (Currently amended) The system according to Claim 13 wherein the OGSA operational rule comprises a requestor identifier that identifies [[a]] the first OGSA service node as transmitting the request for service to the second OGSA service node.

23. (Currently amended) A system for configuring secondary Open Grid Services Architecture (OGSA) service nodes to handle service requests from a primary OGSA service node in an OGSA service node network, comprising:

means for receiving a request for registration at a primary OGSA service node from a secondary OGSA service node including that the secondary OGSA service node is capable of providing a service to the primary OGSA service node;

means for registering that the secondary OGSA service node is capable of providing the service [[with]] to the primary OGSA service node;

means for transmitting a response from the primary OGSA service node to the secondary OGSA service node including an OGSA operational rule that defines how the service is to be provided to the primary OGSA service node, wherein the OGSA operational rule comprises a rule that specifies that the same request made by two different OGSA service nodes is to have different operations provided in response thereto based on which service node made the request;

means for maintaining the OGSA operational rule accessible to the secondary OGSA service node and associated with the primary OGSA service node;

means for receiving a request for service from the primary OGSA service node at the secondary OGSA service node; and

means for providing service to the primary OGSA service node in accordance with the OSGA operational rule responsive to determining that the request for service is associated with the primary OGSA service node.

24. (Currently amended) The system according to Claim 23 wherein the primary <u>OSGA</u> <u>service</u> node comprises a first primary <u>OGSA service</u> node and the OGSA operational rule comprises a first OGSA operational rule, the system further comprising:

means for receiving a request for registration at a second primary OGSA service node from the secondary OGSA service node including that the secondary OGSA service node is capable of providing service to the second primary OGSA service node;

means for registering that the secondary OGSA service node is capable of providing the service with second primary OGSA service node;

means for transmitting a response from the second primary OGSA service node to the secondary OGSA service node including a second OGSA operational rule that defines how the service is to be provided to the second primary OGSA service node;

means for maintaining the second OGSA operational rule accessible to the secondary OGSA service node and associated with the second primary OGSA service node;

means for receiving a request for service from the second primary OGSA service node at the secondary OGSA service node; and

means for providing service to the second primary OGSA service node using the second OGSA operational rule responsive to determining that the request for service is associated with the second primary OGSA service node.

25. (Currently amended) A computer program product for configuring Open Grid Services Architecture (OGSA) nodes for service requests comprising:

a computer readable medium having computer readable program code embodied therein, the computer readable program product comprising:

computer readable program code configured to transmit an OGSA operational rule from a first OGSA service node that receives a request for service to a second OGSA service node that is configured to apply the OGSA operational rule to the request for service in response to the request from the first OGSA service node for service, wherein the OGSA operational rule comprises a rule that specifies that the same request made by two different OGSA service nodes is to have different operations provided in response thereto based on which service node made the request.

26.   (Previously presented) The computer program product according to Claim 25 further comprising:

computer readable program code configured to propagate the OGSA operational rule from the second OGSA service node to a third OGSA service node that is registered with the second OGSA service node as capable of providing service thereto.

27.   (Currently amended) The computer program product according to Claim 25 further comprising:

computer readable program code configured to register the second OGSA service node with the first OGSA service node to define the second OGSA service node as available to the first OGSA service node to receive requests for service.

28.   (Previously presented) The computer program product according to Claim 25 wherein the OGSA operational rule comprises a first OGSA operational rule, the computer program product further comprising:

computer readable program code configured to modify the first OGSA operational rule to provide a second OGSA operational rule; and

computer readable program code configured to transmit the second OGSA operational rule to the second OGSA service node responsive to modifying the first OGSA operational rule.

29.   (Currently amended) The computer program product according to Claim 25 further comprising:

computer readable program code configured to receiving receive a first request for service at the first OGSA service node;

computer readable program code configured to determine that the first request is associated with the OGSA operational rule;

computer readable program code configured to apply the OGSA operational rule to the first request to provide a propagated first request; and

computer readable program code configured to transmit the propagated first request to the second OGSA service node.

30. (Previously presented) The computer program product according to Claim 25 further comprising:

computer readable program code configured to receive a first request for service at the first OGSA service node;

computer readable program code configured to determine that the first request is associated with the OGSA operational rule;

computer readable program code configured to apply the OGSA operational rule to the first request to provide a propagated first request; and

computer readable program code configured to transmit the propagated first request to a third OGSA service node rather than the second OGSA service node responsive to a parameter associated with the third OGSA service node.

31. (Previously presented) The computer program product according to Claim 25 further comprising:

computer readable program code configured to receive a first request for service at the first OGSA service node, the first request for service including a token associated with the first request that further defines how the first request is to be serviced;

computer readable program code configured to determine that the first request is associated with the OGSA operational rule;

computer readable program code configured to apply the OGSA operational rule to the first request to provide a propagated first request; and

computer readable program code configured to transmit the propagated first request and the token to the second OGSA service node.

32. (Previously presented) The computer program product according to Claim 31 wherein the token comprises at least one of a price, geographic location, and quality of service.

33. (Previously presented) The computer program product according to Claim 25 wherein the OGSA operational rule comprises a rule associated with at least one of security, error recovery, and business transaction terms/conditions associated with the request for service.

34. (Currently amended) The computer program product according to Claim 25 wherein the OGSA operational rule comprises a requestor identifier that identifies [[a]] the first OGSA service node as transmitting the request for service to the second OGSA service node.

35. (Currently amended) A computer program product of configuring Open Grid Services Architecture (OGSA) secondary OGSA service nodes to handle service requests from a primary OGSA service node in a OGSA service node network, comprising:

a computer readable medium having computer readable program code embodied therein, the computer readable program product comprising:

computer readable program code configured to receive a request for registration at a primary OGSA service node from a secondary OGSA service node including that the secondary OGSA service node is capable of providing a service to the primary OGSA service node;

computer readable program code configured to register that the secondary OGSA service node is capable of providing the service with primary OGSA service node;

computer readable program code configured to transmit a response from the primary OGSA service node to the secondary OGSA service node including an OGSA operational rule that defines how the service is to be provided to the primary OGSA service node wherein the OGSA operational rule comprises a rule that specifies that the same request made by two different OGSA service nodes is to have different operations provided in response thereto based on which service node made the request;

computer readable program code configured to maintain the OGSA operational rule accessible to the secondary OGSA service node and associated with the primary OGSA service node;

computer readable program code configured to receive a request for service from the primary OGSA service node at the secondary OGSA service node; and

computer readable program code configured to provide service to the primary OGSA service node in accordance with the OGSA operation rule responsive to determining that the request for service is associated with the primary OGSA service node.

36. (Currently amended) The computer program product according to Claim 35 wherein the primary OGSA service node comprises a first primary OGSA service node and the OGSA operational rule comprises a first OGSA operational rule, the computer program product further comprising:

computer readable program code configured to receive a request for registration at a second primary OGSA service node from the secondary OGSA service node including that the secondary OGSA service node is capable of providing service to the second primary OGSA service node;

computer readable program code configured to register that the secondary OGSA service node is capable of providing the service with second primary OGSA service node;

computer readable program code configured to transmitting transmit a response from the second primary OGSA service node to the secondary OGSA service node including a second OGSA operational rule that defines how the service is to be provided to the second primary OGSA service node;

computer readable program code configured to maintain the second OGSA operational rule accessible to the secondary OGSA service node and associated with the second primary OGSA service node;

computer readable program code configured to receive a request for service from the second primary OGSA service node at the secondary OGSA service node; and

computer readable program code configured to provide service to the second primary OGSA service node using the second OGSA operational rule responsive to determining that the request for service is associated with the second primary OGSA service node.

37. (Currently amended) A method of configuring Open Grid Services Architecture (OGSA) nodes for service requests in a hierarchical OGSA network, the method comprising:

transmitting an OGSA operational rule from a high level hierarchical OGSA service node to a lower level hierarchical OGSA service node that is configured to receive requests for service from a plurality of other OGSA service nodes, wherein the OGSA operational rule specifies how a request for service from the high level hierarchical OGSA service node is handled ~~that the lower level hierarchical OGSA service node is to apply different operations to the same request originating from two different OGSA service nodes included in the plurality of other OGSA service nodes~~.